

IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of the claims in the application:

Claims 1-20 (Cancelled).

21. (Withdrawn) A self-powered peripheral device, comprising:
a plurality of keys;
a single plate coupled to each of said plurality of keys; and
a single coil coupled to said plate, said coil converting mechanical energy generated by pressing motion on any one of said plurality of keys into electrical energy.

22. (Withdrawn) The device of Claim 21, wherein said pressing motion on any of said plurality of keys causes said single plate to compress said single coil.

b. 23. (Currently amended) The device of Claim 30 24, further comprising:
a rectifier circuit for converting alternating current into direct current;
a charging circuit coupled to said rectifier circuit; and
an energy storing device coupled to said charging circuit, said energy storing device storing said direct current;
wherein said electrical energy comprises said alternating current.

24. (Withdrawn) The device of Claim 21, wherein said plurality of keys are coupled to a mouse.

25. (Withdrawn) The device of Claim 24, wherein said mouse comprises:
a ball;
a wheel proximate said ball;
a shaft coupled to said wheel; and
a dynamo coupled to said shaft, said dynamo converting mechanical energy generated by rolling motion of said ball into electrical energy.

26. (Currently amended) The device of Claim 30 25, wherein said self-powered peripheral device is a computer mouse and wherein said mouse is a cordless mouse.

27. (Currently amended) The device of Claim 26 25, wherein said mouse comprises a light source and wherein said wheel comprises a plurality of slots for allowing said light source to shine through said plurality of slots.

28. (Previously presented) The device of Claim 27, wherein said light source is electrically powered by said dynamo.

29. (Withdrawn) The device of Claim 21, wherein said plurality of keys are not hard-wired to a computer for accepting computer input signals from said plurality of keys and wherein said electrical energy powers a transmission of said input signals from said plurality of keys to said computer.

30. (Previously presented) A self-powered peripheral device, comprising:
a ball;
a wheel proximate said ball;
a shaft coupled to said wheel; and
a dynamo coupled to said shaft, said dynamo converting mechanical energy generated by rolling motion of said ball into electrical energy.

31. (Previously presented) The device of Claim 30, further comprising a light source and wherein said wheel comprises a plurality of slots for allowing said light source to shine through said plurality of slots.

b. 32. (Previously presented) The device of Claim 31, wherein said light source is electrically powered by said dynamo.

33. (Previously presented) The device of Claim 32, further comprising a light sensor and wherein said light sensor observes a pattern of light shining through said plurality of slots from said light source to generate a plurality of computer input signals for a host computer.

34. (Previously presented) The device of Claim 33, wherein said computer input signals are transmitted to said host computer via cordless means.

35. (Withdrawn) The device of Claim 30, further comprising a keyboard coupled to said host computer.

36. (Withdrawn) The device of Claim 35, wherein said keyboard comprises:
a plurality of keys;
a single plate coupled to each of said plurality of keys; and
a single coil coupled to said plate, said coil converting mechanical energy generated by pressing motion on any one of said plurality of keys into electrical energy.

37. (Withdrawn) The device of Claim 36, wherein said pressing motion on any of said plurality of keys causes said single plate to compress said single coil.

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38. (Withdrawn) The device of Claim 37, further comprising:
a rectifier circuit for converting a first energy comprising an alternating current into a second energy comprising a direct current;
a charging circuit coupled to said rectifier circuit; and
an energy storing device coupled to said charging circuit, said energy storing device storing said second energy comprising said direct current.

39. (Withdrawn) The device of Claim 38, wherein said keyboard is a cordless keyboard.

40. (Currently amended) A method of providing power to a cordless computer peripheral device, the method comprising:

converting mechanical energy generated by motion of said device into alternating current;

converting said alternating current into direct current; and

powering said peripheral device using said direct current;

wherein said peripheral devices comprises ~~one of a mouse and a keyboard;~~

~~wherein said keyboard includes a plurality of keys, a single plate coupled to each of said plurality of keys and a single coil coupled to said plate;~~

~~wherein said coil converts said mechanical energy generated by pressing motion on any one of said plurality of keys into said alternating current;~~

wherein said mouse includes a ball, a wheel proximate said ball, a shaft coupled to said wheel and a dynamo coupled to said shaft; and

wherein said dynamo converts said mechanical energy generated by rolling motion of said ball into said alternating current.
